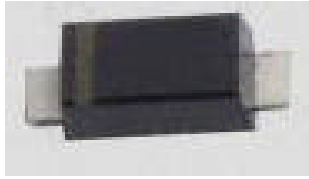


1W SILICON PLANAR ZENER DIODES

MM1W3.3B TO 36B

SOD-123FL

SURFACE MOUNT PLASTIC PACKAGE



Polarity : Colour Band Denotes Cathode End

Absolute Maximum Ratings (T_A = 25°C)

PARAMETER	SYMBOL	VALUE	UNIT
Power Dissipation	P _D	1	W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

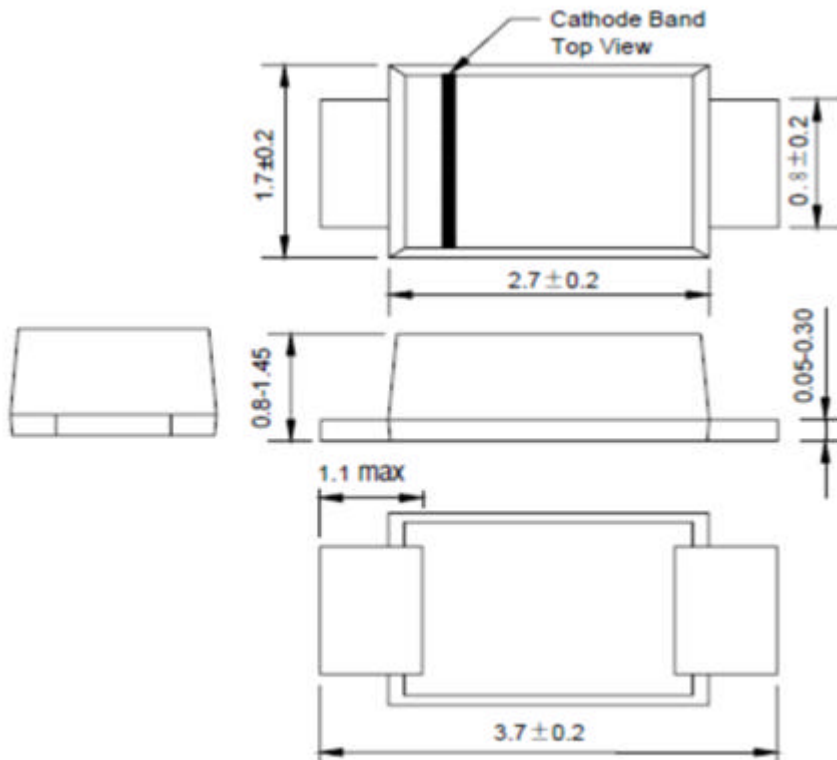
Characteristics at T_A = 25°C

PARAMETER	SYMBOL	VALUE	UNIT
Forward Voltage at I _F = 200mA	V _F	1.2	V

Characteristics at T_A = 25°C

Type	Marking Code	Zener Voltage Range			Dynamic Impedence		Reverse Current	
		V _{ZT}		at I _{ZT}	Z _{ZT}	at I _{ZT}	I _R	at V _R
		Min (V)	Max (V)	(mA)	Max. (W)	(mA)	Max. (mA)	(V)
MM1W3.6B	BA1	3.6	4	40	15	40	60	1
MM1W3.9B	BB1	3.9	4.4	40	15	40	40	1
MM1W4.3B	BC1	4.3	4.8	40	15	40	20	1
MM1W4.7B	BD1	4.7	5.2	40	10	40	20	1
MM1W5.1B	BE1	5.1	5.7	40	8	40	20	1
MM1W5.6B	BF1	5.6	6.3	40	8	40	20	1.5
MM1W6.2B	BG1	6.2	7	40	6	40	20	3
MM1W6.8B	BH1	6.8	7.7	40	6	40	20	3.5
MM1W7.5B	BJ1	7.5	8.4	40	4	40	20	4
MM1W8.2B	BK1	8.2	9.3	40	4	40	20	5
MM1W9.1B	BL1	9.1	10.2	40	6	40	20	6
MM1W10B	BM1	10	11.2	40	6	10	10	7
MM1W11B	BN1	11	12.3	20	8	20	10	8
MM1W12B	BP1	12	13.5	20	8	20	10	9
MM1W13B	BQ1	13.3	15	20	10	20	10	10
MM1W15B	BR1	14.7	16.5	20	10	20	10	11
MM1W16B	BS1	16.2	18.3	20	12	20	10	12
MM1W18B	BT1	18	20.3	20	12	20	10	13
MM1W20B	BU1	20	22.4	20	14	20	10	15
MM1W22B	BV1	22	24.5	10	14	10	10	17
MM1W24B	BW1	24	27.6	10	16	10	10	19
MM1W27B	BX1	27	30.8	10	16	10	10	21
MM1W33B	BZ1	33	37	10	18	10	10	25
MM1W36B	CA1	36	40	10	20	10	10	27

SOD-123FL PACKAGE OUTLINE AND DIMENSION



Dimensions in millimeters



Continental Device India Pvt. Limited

An ISO/TS 16949, ISO 9001 and ISO 14001 Certified Company



Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished in the Data Sheet and on the CDIL Web Site/CD are believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

CDIL strives for continuous improvement and reserves the right to change the specifications of its products without prior notice.



CDIL is a registered Trademark of

Continental Device India Pvt. Limited

C-120 Naraina Industrial Area, New Delhi 110 028, India.

Telephone + 91-11-2579 6150, 4141 1112 Fax + 91-11-2579 5290, 4141 1119

email@cdil.com www.cdil.com

CIN No. - U32109DL1964PLC004291